

APPENDIX J STATISTICAL TABLES

Table 1. Library of Congress Appropriations Available for Obligation—Fiscal 1999

LC Salaries and Expenses	\$238,373,000
Congressional Research Service	67,124,000
Copyright Office	34,891,000
Books for the Blind and Physically Handicapped	46,824,000
Furniture and Furnishings	4,448,000
	<hr/>
	\$391,660,000

Table 2. Library of Congress Appropriations Available for Obligation—Fiscal 2000*

LC Salaries and Expenses	\$256,779,000
Congressional Research Service	71,244,000
Copyright Office	37,628,000
Books for the Blind and Physically Handicapped	47,984,000
Furniture and Furnishings	5,415,000
	<hr/>
	\$419,050,000

*As a result of the Consolidated Omnibus Appropriations Act of 2000 (Public Law 106-113), signed by the president on November 29, 1999, an across-the-board spending cut of .38 percent reduced the Library's budget to \$417.5 million. The same legislation added \$10 million to the Library's appropriation for the Russian Leadership Program, bringing the total to \$427.5 million.

Table 3. Comparison of Appropriations, Staff, and Workload Statistics (for Fiscal 1995, 1996, 1997, 1998, 1999, and 2000)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000 projected	Change 1995–2000	% Change
Library Appropriations—Actual	\$348,230,000	\$352,399,000	\$361,896,000	\$377,207,000	\$391,660,000	\$417,457,611	\$60,227,611	19.9
Full-time Equivalent (FTE) Positions (appropriated)	4,180	4,114	4,010	3,958	3,923	4,076	(104)	(2.5)
Size of Library Collections	108,433,370	111,080,666	113,026,742	115,505,695	118,993,629	121,500,000	13,066,630	12.1
Workload Statistics:								
Unprocessed Library Arrangages	22,491,071	20,970,523	19,952,205	19,090,657	19,793,689	19,346,160	(3,144,911)	(14.0)
CRS—Requests and Services Provided Congress	492,000	487,000	531,162	560,423	545,663	557,596	65,596	13.3
Loans of Collections to Congress	36,368	31,026	30,708	30,614	26,193	30,000	(6,368)	(17.5)
Copyright Claims Registered	609,195	550,422	569,226	558,645	594,501	605,000	(4,195)	(0.7)
Copyright Inquires	500,746	432,397	421,150	395,456	426,804	430,000	(70,746)	(14.1)
Services to the Blind and Physically Handicapped (BPH) Readership	772,100	776,000	764,800	761,600	764,600	767,600	(4,500)	(0.6)
BPH—Books and Magazines, Total Circulated	22,909,400	22,908,900	22,437,900	22,553,100	22,665,000	22,778,000	(131,400)	(0.6)
BPH—New Braille and Audio Books and Magazine Titles	2,328	2,568	2,691	2,764	2,647	2,536	208	8.9
Print Materials Cataloged	276,348	289,509	289,154	274,890	205,893	250,000	(26,348)	(9.5)
National Coordinated Cataloging Operation (NACO)—LC Contribution	124,911	115,714	118,054	186,515	80,176	100,000	(24,911)	(19.9)
NACO—Outside Contribution	96,655	106,182	146,858	173,721	133,011	180,000	83,345	86.2
Exhibits, Displays, and Publications (funded by appropriations)	27	15	14	14	14	14	(13)	48.1
Regular Tours	47,300	47,847	56,716	60,465	64,489	70,000	22,700	48.0
Reference Service	1,145,757	1,129,952	1,094,588	1,101,717	967,387	970,000	(175,757)	(15.3)
Main and Five Other Reading Rooms' Hours per Week	65	65	65	65	65	65	—	—
Items Circulated	2,289,981	2,175,075	2,070,798	2,105,278	1,767,565	1,770,000	(519,981)	(22.7)
Preservation Treatment—Original Format	339,636	274,086	309,597	354,027	472,027	470,000	130,364	38.4
Mainframe Computer Transactions	197,216,679	204,297,492	247,691,844	270,259,005	331,103,221	50,000,000	(147,216,679)	(74.6)
Machine-Readable Cataloging (MARC) Records	26,100,661	26,320,667	27,519,078	28,093,497	28,890,000	29,000,000	2,899,339	11.1
Internet Transactions*	92,873,807	134,416,660	345,221,229	615,149,938	728,226,616	1,100,000,000	1,007,126,193	1,084.0

*I.e., LOCIS, MARVEL, World Wide Web, and THOMAS public transactions

Table 4. Financial Statistics: Summary Statement

A condensed version of the Library's financial statements for fiscal 1999 follows, including the four principal financial statements: the Condensed Balance Sheet, the Condensed Statement of Net Costs, the Condensed Statement of Changes in Net Position, and the Condensed Statement of Budgetary Resources.

The Condensed Balance Sheet provides users with information about the Library's assets, liabilities, and net position. The Library's assets as of September 30, 1999, total more than \$1 billion.

The Condensed Statement of Net Costs provides users with information about the net costs for the Library's seven programs. Net costs include allocated management support costs. For the fiscal year ended September 30, 1999, the net cost of the Library's seven programs was \$436.1 million.

The Condensed Statement of Changes in Net Position provides users with information about the Library's financing sources and the components of the changes in net position. The Library's financing sources totaled \$437.0 million for the fiscal year ended September 30, 1999.

The Condensed Statement of Budgetary Resources provides users with information about how budgetary resources were made available, as well as their status at the end of the fiscal year. For the fiscal year ended September 30, 1999, the Library's budgetary resources were more than \$1.5 billion.

For the fourth consecutive year, the independent auditors issued an unqualified "clean" opinion on the Library's Financial Statements.

We have audited, in accordance with generally accepted auditing standards; *Government Auditing Standards* issued by the Comptroller General of the United States; and OMB Bulletin No. 98-08, *Audits of Federal Financial Statements*, as amended, the consolidated statements of financial position of the Library of Congress as of September 30, 1999 and 1998, and the related consolidated statements of net cost, changes in net position, and budgetary resources for the years then ended (not presented herein); and in our report dated February 25, 2000, we expressed an unqualified opinion on those financial statements. We also issued a report on the effectiveness of internal control over financial reporting and compliance and a report on compliance with laws and regulations.

In our opinion, the information set forth in the accompanying condensed financial statements is fairly stated, in all material respects, in relation to the financial statements from which it has been derived.

Clifton Lunderson L.L.C.

Greenbelt, Maryland

February 25, 2000

The Library of Congress Condensed Balance Sheet
As of September 30, 1999

ASSETS	
Intragovernmental Assets	\$204,018,205
General Property, Plant and Equipment, Net	63,145,883
Non-Entity Assets	774,942,729
Other Assets	36,903,978
Total Assets	<u>\$1,079,010,795</u>
LIABILITIES	
Intragovernmental Liabilities	\$32,346,402
Accounts Payable	21,879,361
Custodial Liability	774,915,266
Accrued Funded Payroll, Benefits	15,433,392
Accrued Unfunded Liabilities	28,697,675
Other Liabilities	12,879,876
Total Liabilities	<u>\$886,151,972</u>
NET POSITION	
Unexpended Appropriations	\$70,683,170
Cumulative Results of Operations	122,175,653
Total Net Position	<u>\$192,858,823</u>
Total Liabilities and Net Position	<u>\$1,079,010,795</u>

The Library of Congress Condensed Statement of Net Costs
For the Fiscal Year Ended September 30, 1999

Net Costs by Program Area:	
Library Services	\$234,177,713
Law Library	14,562,531
Copyright Office	29,820,398
Congressional Research Service	96,017,808
National Library Service for the Blind and Physically Handicapped	46,397,702
Reimbursable Funds	5,764,371
Revolving Funds	9,365,267
Net Costs of Operations	<u>\$436,105,790</u>

The Library of Congress Condensed Statement of Changes in Net
Position for the Fiscal Year Ended September 30, 1999

Net Costs of Operations	\$436,105,790
Financing Sources (other than Exchange Revenue)	
Appropriations Used	369,861,197
Imputed Financing	47,069,122
Donations	15,444,571
Other Non-Exchange Revenue	4,629,906
Total Financing Sources	<u>437,004,796</u>
Net Change in Cumulative Results of Operations	899,006
Increase in Unexpended Appropriations	<u>2,311,847</u>
Change in Net Position	3,210,853
Net Position, Beginning	<u>189,647,970</u>
Net Position, Ending	<u>\$192,858,823</u>

The Library of Congress Condensed Statement of Budgetary Resources
For the Fiscal Year Ended September 30, 1999

Budgetary Resources	
Budget Authority	\$376,536,206
Unobligated Balances—Beginning of Period	771,524,710
Reimbursements and Adjustments	363,272,579
Total Budgetary Resources	<u>\$1,511,333,495</u>
Status of Budgetary Resources	
Obligations Incurred, New	\$665,231,429
Unobligated Balance	846,102,066
Total, Status of Budgetary Resources	<u>\$1,511,333,495</u>
Outlays	
Obligations Incurred, New	\$665,231,429
Less: Reimbursements and Adjustments	368,574,865
Obligated Balance, Net—Beginning of Period	115,976,948
Less: Obligated Balance, Net—End of Period	122,411,560
Total Outlays, Net	<u>\$290,221,952</u>

Table 5. Additions to the Collections—Titles

<i>Classified Book Collections</i>	<i>Added</i>	<i>Withdrawn</i>	<i>Total</i>
Class A (General Works)	805	0	88,499
Class B–BJ (Philosophy)	3,706	0	191,587
Class BL–BX (Religion)	9,385	0	474,351
Class C (History, Auxiliary Sciences)	2,524	0	129,057
Class D (History, except American)	16,395	0	874,208
Class E (American History)	2,150	0	146,925
Class F (American History)	4,725	0	253,814
Class G (Geography, Anthropology)	5,294	2	369,229
Class H (Social Sciences)	24,241	0	1,416,085
Class J (Political Science)	3,735	4	249,449
Class K and Law (Law)	12,732	84	692,185
Class L (Education)	3,947	0	244,281
Class M (Music)	5,107	0	471,646
Class N (Fine Arts)	7,572	2	352,700
Class P (Language and Literature)	35,187	0	1,933,171
Class Q (Science)	9,824	0	636,096
Class R (Medicine)	6,765	0	299,530
Class S (Agriculture)	2,710	0	195,463
Class T (Technology)	9,866	0	674,003
Class U (Military Science)	1,118	0	83,416
Class V (Naval Science)	399	0	40,874
Class Z (Bibliography)	2,311	0	264,387
Total	<u>170,498</u>	<u>92</u>	<u>10,080,956</u>

Table 6. Additions to the Collections—Items

<i>Print Collections</i>	<i>Added</i>	<i>Withdrawn</i>	<i>Total</i>
Classified Book Collections			
Class A (General Works)	2,428	0	423,414
Class B–BJ (Philosophy)	3,995	0	308,017
Class BL–BX (Religion)	12,938	0	673,180
Class C (History, Auxiliary Sciences)	3,562	0	253,501
Class D (History, except American)	20,742	0	1,211,594
Class E (American History)	2,811	0	271,738
Class F (American History)	6,380	0	436,337
Class G (Geography, Anthropology)	9,291	472	424,408
Class H (Social Sciences)	31,294	0	2,766,962
Class J (Political Science)	6,393	0	790,662
Class K and Law (Law)	29,860	1,072	2,201,193
Class L (Education)	4,680	0	510,845
Class M (Music)	6,271	26	627,896
Class N (Fine Arts)	9,558	0	495,441
Class P (Language and Literature)	44,864	0	2,413,741
Class Q (Science)	18,238	0	1,122,396
Class R (Medicine)	9,909	0	477,788
Class S (Agriculture)	4,008	0	421,314
Class T (Technology)	18,427	0	1,274,796
Class U (Military Science)	1,956	0	202,341
Class V (Naval Science)	679	0	105,312
Class Z (Bibliography)	4,888	0	611,126
Total Classified Book Collections	253,172	1,570	18,024,002
Other Print Materials or Products			
Books in Large Type	0	0	8,681
Books in Raised Characters	1,232	0	73,218
Incunabula	2	0	5,700
Minimal-Level Cataloging (monographs and serials)	19,256	0	576,994
Newspapers (bound)	0	0	30,570
Pamphlets	2,608	875	267,308
Technical Reports	12,230	7,347	1,424,039
Other	22,687	0	7,042,674
Total Other Print Collections	58,015	8,222	9,429,184
Total Print Collections	311,187	9,792	27,453,186
Other Collections			
Audio Materials	87,902	11,168	2,396,808
Talking Books	1,954	0	55,891
Manuscripts	2,438,297	131	53,120,327
Maps	53,752	12,037	4,523,049
Microforms	385,961	1,948	12,555,509
Music	78,881	0	4,206,449
Visual Material			
Moving Images	18,450	0	821,527
Photographs (negatives, prints, and slides)	126,509	357	12,059,343
Posters	707	0	85,216
Prints and Drawings	7,941	0	405,708
Other (broadsides, photocopies, nonpictorial material, etc.)	2,279	0	1,258,647
Machine-Readable Material	10,196	649	51,969
Total Other Collections	3,212,829	26,290	91,540,443
Total (Items)	3,524,016	36,082	118,993,629

Table 7. Unprocessed Arrearages

<i>Total Items in Arrearage</i>	<i>1998</i>	<i>1999</i>	<i>Change</i>	<i>Percentage Change</i>
Print Materials				
Books	242,611	153,826	(88,785)	(36.6)
Microforms	0	0	0	0.0
Serials (pieces)	799,443	818,267	18,824	2.4
Total	1,042,054	972,093	(69,961)	(6.7)
Special Materials				
Manuscripts	7,631,444	9,198,697	1,567,253	20.5
Maps	11,532	25,787	14,255	123.6
Moving Images	311,268	322,828	11,560	3.7
Music	2,548,287	2,542,365	(5,922)	(0.2)
Pictorial Materials	6,282,658	5,482,052	(800,606)	(12.7)
Rare Books	125,388	123,801	(1,587)	(1.3)
Sound Recordings	1,138,026	1,126,066	(11,960)	(1.1)
Total	18,048,603	18,821,596	772,993	4.3
Grand Total	19,090,657	19,793,689	703,032	3.7

Table 8. Cataloging Workload

New Titles Fully Cataloged	159,583
Cooperative New Titles Fully Cataloged	74,879
Titles Recataloged or Updated	128,644
Cooperative Titles Recataloged or Updated	2,901
Minimal-Level Cataloging Titles	29,934
Copy Cataloging	25,665
Collection-Level Cataloging	2,757
Name and Series Authorities Established	91,108
Cooperative Name and Series Authorities Established	143,628
Name and Series Authorities Updated	34,290
Cooperative Name and Series Authorities Updated	39,355
Subject Headings Established	6,241
Cooperative Subject Headings Established	2,027
Subject Headings Updated	10,043
Cooperative Subject Headings Updated	397
Class Numbers Established	1,897
Cooperative Class Numbers Established	1,135
Class Numbers Updated	446
Cooperative Class Numbers Updated	44
Titles Classified with Decimal Classification	97,409

Table 9. Records in the MARC Database¹

	<i>Net Increase</i>	<i>Total</i>
JACKPHY (Japanese, Arabic, Chinese, Korean, Persian, Hebrew, Yiddish) Books ²	17,693 157,677	389,194 4,768,375
Computer Files	1,296	9,288
Manuscripts	2	10,693
Maps	5,343	187,118
Music	7,057	224,069
Name Authorities	206,245	4,670,797
NUC (National Union Catalog)	(3)	670,893
PREMARC	(3,840)	4,736,465
Serials	26,850	883,531
Subject Authorities	5,727	250,474
Visual Materials	10,029	309,999
Total	434,076	17,110,896

1. As of August 12, 1999, immediately before the production bibliographic data load into the Library of Congress Integrated Library System.

2. Includes full-level and minimal-level records.

Table 10. Preservation Treatment Statistics

Treatment	
Volumes Treated	6,453
Unbound Paper-Based Items Treated	4,540
Photographs Treated*	452
Commercial Library Binding, Volumes	183,202
Mass Deacidification, Volumes	75,000
Housing/Rehousing	
Protective Boxes Constructed, for Paper-Based Materials	6,181
Paper-Based Items Rehoused	182,202
Photographs Rehoused*	8,754
Discs, Film (reels), Magnetic Tape (reels/cassettes)	
Cleaned/Packaged	5,243
Copying/Reformatting	
Preservation Photocopying	461
Paper-Based Materials Converted to Microfilm, Items	22,090
	(2,253,220 exposures)
Audio Materials Converted to Magnetic Tape, Titles	580
Video Materials Converted to Magnetic Tape, Titles	1,200
Motion Picture Films Converted, Reels	981
	(614,870 feet)
General Preservation of the Collections	
Items Surveyed, Paper-Based	—
Items Surveyed, Photographs*	1,442
Pieces Labeled	156,004

*New category

Table 11. Number of Copyright Registrations by Subject Matter, Fiscal 1999

<i>Category of Material</i>	<i>Published</i>	<i>Unpublished</i>	<i>Total</i>
Nondramatic Literary Works:			
Monographs and Computer-Related Works	151,830	55,716	207,546
Serials:			
Serials (nongroup)	64,289	—	64,289
Group Daily Newspapers	2,193	—	2,193
Group Serials	9,159	—	9,159
Total, Literary Works	227,471	55,716	283,187
Works of the Performing Arts, Including Musical Works, Dramatic Works, Choreography and Pantomimes, and Motion Pictures and Filmstrips	51,134	104,091	155,225
Works of the Visual Arts, Including Two-Dimensional Works of Fine and Graphic Art, Sculptural Works, Technical Drawings and Models, Photographs, Cartographic Works, Commercial Prints and Labels, and Works of Applied Arts	62,779	30,838	93,617
Sound Recordings	14,994	23,082	38,076
Total	356,378	213,727	570,105
Renewals	23,896	—	23,896
Mask Work Registrations	500	—	500
Grand Total, All Registrations	380,774	213,727	594,501
Documents Recorded			16,447

Table 12. Copyright Business Summary, Fees Recorded, Fiscal 1999

<i>Receipts</i>	<i>Fees</i>
Applications for Registration	\$13,154,923
Fees for Mask Works	49,050
Renewals	576,782
Total	13,780,755
Fees for Recordation of Documents	\$832,839
Fees for Certifications	110,680
Fees for Searches	179,766
Fees for Expedited Services	1,401,507
Fees for Other Services	299,859
Total	2,824,651
Grand Total	16,605,406
Fees Applied to the Appropriation, Fiscal 1999	\$16,716,295.91

Table 13. Services to Blind and Physically Handicapped Individuals

	<i>Items Circulated*</i>	<i>Number of Readers</i>
Regional and Subregional Libraries		
Recorded Discs	2,300,500	124,000
Recorded Cassettes	19,650,000	610,000
Braille	613,000	29,200
NLS/BPH Service to Overseas Patrons		
Recorded Discs	5,100	140
Recorded Cassettes	10,300	650
Braille	1,000	50
NLS/BPH Service to Music Patrons		
Recorded Discs	100	40
Recorded Cassettes	4,000	300
Braille	2,700	250
Large Print	600	100
Interlibrary Loan—Multistate Centers		
Recorded Discs	3,000	N/A
Recorded Cassettes	70,000	N/A
Braille	5,300	N/A
Tapes (cassette and open-reel)	18,600	N/A

*Items circulated included containers, volumes, and magazines.

N/A = not applicable

Table 14. Reader Services¹

	<i>Circulation of Items for Use Within the Library</i>	<i>Direct Reference Service</i>			<i>Total</i>
		<i>In Person</i>	<i>Correspon- dence²</i>	<i>Telephone</i>	
African and Middle Eastern Division	6,629	9,937	1,512	17,017	28,466
American Folklife Center	1,750	3,725	1,107	2,147	6,979
Asian Division	23,136	10,569	1,776	7,994	20,339
Children's Literature Center	—	99	372	276	747
Collections Management Division	548,014	13,096	8,547	3,077	24,720
European Division	12,196	7,823	2,420	5,789	16,032
Geography and Map Division	126,951	26,444	2,549	6,426	35,419
Hispanic Division	7,287	29,530	19,238	38,881	87,649
Humanities and					
Social Sciences Division	50,781	128,769	23,085	41,091	192,945
Law Library ³	287,746	83,542	16,910	18,801	119,253
Loan Division	124,037	10,067	54,899	34,669	99,635
Manuscript Division	49,428	37,805	2,630	8,530	48,965
Motion Picture, Broadcasting, and					
Recorded Sound Division	35,009	4,314	2,490	9,175	15,979
Music Division	21,989	6,352	2,004	5,215	13,571
National Library Service for the Blind and Physically Handicapped ⁴	—	389	9,233	5,736	15,358
Prints and Photographs Division	189,235	36,056	4,084	9,934	50,074

(table 14 continues)

(table 14 continued)

	<i>Circulation of Items for Use Within the Library</i>	<i>Direct Reference Service</i>			<i>Total</i>
		<i>In Person</i>	<i>Correspon- dence²</i>	<i>Telephone</i>	
Rare Book and Special Collections Division	13,929	2,998	479	4,128	7,605
Science, Technology, and Business Division	1,246	31,956	7,256	4,458	43,670
Serial and Government Publications Division	188,979	124,846	434	1,835	127,115
Totals	1,688,342	568,317	161,025	225,179	954,521

1. Not included here are statistics for the Congressional Research Service, which completed 545,663 responses to requests and service transactions for members and committees of Congress in fiscal 1999, and for the Copyright Office, which answered 426,804 inquiries.

2. Includes electronic mail.

3. Not included here are 975 research reports that the Law Library prepared for Congress and other government agencies.

4. See appendix J, table 11, for additional NLS/BPH statistics.

**Table 15. Cataloging Distribution Service:
Financial Statistics**

Source of Income:	1999
General	\$3,938,198
U.S. Government Libraries	84,525
Foreign Libraries	1,059,306
Total Gross Sales	\$5,082,029
Analysis of Total Income	
Book Catalogs:	
Map Cataloging	\$1,652
New Serial Titles	193,753
National Union Catalog of Manuscript Collections	125
Genealogies	175
Card Sales (gross)	189,357
CD-ROM:	
CDMARC Subjects	0
CDMARC Names	0
CDMARC Names/Subjects	0
CDMARC Bibliographic	0
CDMARC Serials	0
CDMARC Bib English	0
CDMARC Music	0
CDMARC English Current Years	0
CDMARC Spanish/Portuguese	0
CD Cataloger's Desktop	133,918
Classification Plus	189,304
Class Plus & Desktop	752,719
Special Mailing Charges	3,417
MARC Tapes	1,627,339
Microfiche Catalogs:	
NUC Books	177,314
NUC AV Materials	16,347
NUC Cartographic Materials	19,790
NUC Production Masters	0
Register of Additional Locations	0
Name Authorities	76,393

(table 15 continues)

(table 15 continued)

Subject Headings	82,721
Music	33,668
Miscellaneous Publications	19,209
Technical Publications	1,564,828
Total Gross Sales	5,082,029
Adjustments	(214,054)
Total Net Sales	\$4,867,975
Transfers	
Fees Transferred to Appropriation	\$4,869,433
Fees Transferred to Miscellaneous Receipts	—
Total Fees Transferred	\$4,869,433

Table 16. Human Resources
As of September 30, 1999

Library Employees by Service Unit¹

Office of the Librarian	
Includes Office of the Librarian and Deputy Librarian; Communications; Congressional Relations; Development; General Counsel; Inspector General; Planning, Management, and Evaluation	82
Financial Services	53
Human Resources Services	95
Information Technology Services	201
Integrated Support Services	174
Office of Security	123
Congressional Research Service	720
Copyright Office	505
Law Library	97
Library Services	
Office of the Associate Librarian	34
Operations	51
Acquisitions and Support Services	286
Area Studies Collections	106
Cataloging	571
National Services	197
National Library Service for the Blind and Physically Handicapped	131
Preservation	167
Public Service Collections	761
Total Library Employees	4,354

Library Employees by PATCO Code¹

Professional	1,498
Administrative	1,084
Technical	1,219
Clerical	308
Wage Board	94
Other	151
Total (Library Employees)	4,354

(table 16 continues)

*(table 16 continued)**Attrition by PATCO Code*²

Professional	75
Administrative	32
Technical	58
Clerical	14
Wage Board	4
Other 3	
Total	186 ³

*Demographics*²

Males	1,919
Females	2,275
Average Years of LC Service	17
Average Years of Federal Service	19
Average Age	47
American Indian	17
Asian	221
Black	1,651
Hispanic	81
White	2,224

1. Includes all Library employees (full-time, part-time, permanent, conditional, temporary, indefinite, and indefinite/not to exceed).

2. Does not include temporary employees or those in indefinite/not-to-exceed positions.

3. Represents a 4.6 percent attrition rate as compared with fiscal 1999 staffing levels.